

<p>Union of the Soviet Socialist Republics</p> <p>Committee on Inventions and Discoveries of the Council of Ministers of the USSR</p>	<p>Specification of the Invention <u>attached to an Author's Certificate</u></p> <p>Dependent from Author's Certificate No. – Application Filed on February 03, 1947 (No. 351791/10849/31-16) with attached Application No. 1180475/31-16 Priority – Published on March 21, 1969. Bulletin No. 12 The specification is published on August 18, 1969</p>	<p>240188</p> <p>Class 30k, 1/01</p> <p>International Patent Classification A 61m</p> <p>UDK 616-089.8-72: :616.5-089. .844(088.8)</p>
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Applicant	---	

APPARATUS FOR TREATING WOUNDS AND ULCERS

Conventional apparatuses for treating wounds and ulcers that comprise a cylindrical tip-aspirator, which is to be connected to a vacuum source, are designed for pumping out a variety of liquids and do not provide for mechanical peeling of tissue with simultaneous removal of rejected tissue.

The apparatus proposed is characterized in that the tip-aspirator is provided with an air suction valve, and the working edge of the aspirator is disposed in a single plane. Such a configuration enables evacuation, mechanical peeling of tissue and simultaneous removal of rejected tissue and wound discharge.

Furthermore, the end surface of the tip-aspirator may have an sharp cutting edge, [disposed] in a circle or an arch thereof, in order to provide for more active separation of pathologically affected tissue.

The end surface of the tip-aspirator may be blunted, for example, by polishing or rolling, thereby enabling preferential evacuation of tissue with gentle mechanical treatment.

Fig. 1 shows in two projection views of the proposed apparatus for treating wounds and ulcers; Fig. 2 shows a tip-aspirator.

The apparatus comprises a cylindrical tip-aspirator 1 connected to a vacuum pump 5 via a system of hoses 2 and intermediate vessels 3 and 4. The apparatus is equipped with a movable table 6 and a control panel 7

having measurement instruments. The vessel 3 is half filled with water and serves as a water filter, and the vessel 4 serves to receive the wound discharge. Furthermore, the apparatus comprises a gauze filter 8 and an oil filter 9. The tip-aspirator comprises an air suction valve 10, and the working edge of the aspirator is disposed in a singleplane.

The apparatus kit includes several types of detachable tip-aspirators 1, which are employed according to the object of surgery.

When more active separation of pathologically changed tissue is required, the end surface of the tip-aspirator is provided with an sharp cutting edge [disposed] in a circle or an arch thereof. A tip-aspirator with a blunt (polished or rolled) end surface is used when preferential evacuation of tissue with gentle mechanical treatment is required.

Claims

1. An apparatus for treating wounds and ulcers, comprising a cylindrical tip-aspirator to

be connected to a vacuum source, characterized in that, with an object of evacuating, mechanically peeling tissue, and simultaneously removing rejected tissue and wound discharge, the tip aspirator is provided with an air suction valve and the working edge of the aspirator is disposed in a single plane.

2. The apparatus according to claim 1, characterized in that, with an object of more active separation of pathologically changed tissue, an end

surface of the tip-aspirator may have an sharp cutting edge [disposed] in a circle or an arch thereof.

3. The apparatus according to claim 1, characterized in that, with an object of preferential evacuation of tissue with gentle mechanical treatment, an end surface of the tip-aspirator is blunted, for example, by polishing or rolling.

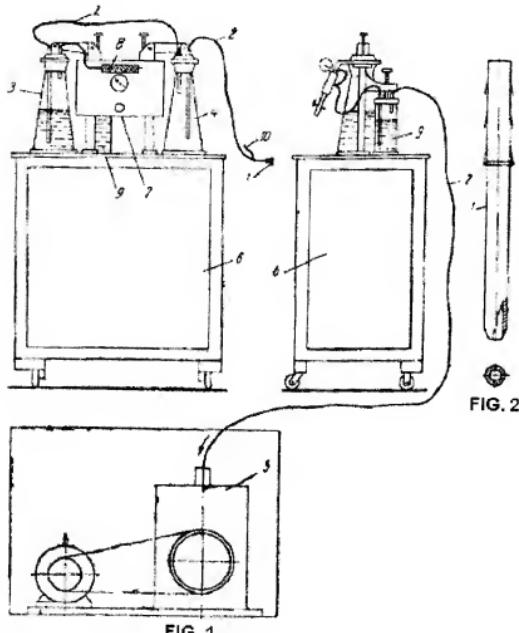


FIG. 2

FIG. 1

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